

## Patent Abstracts of Japan

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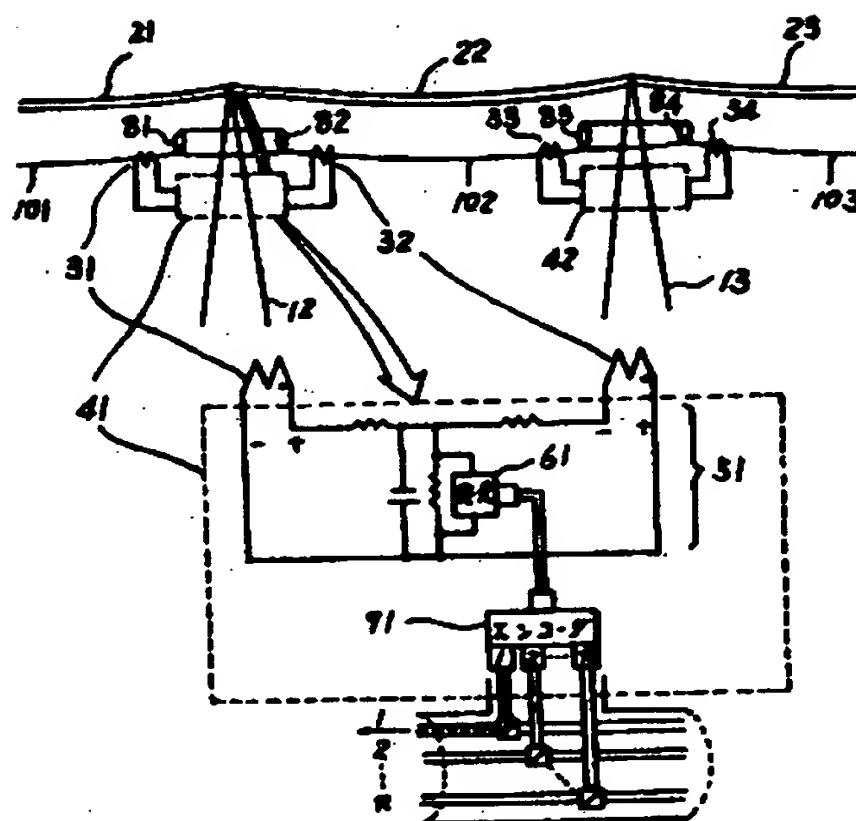
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TITLE : FAULT POINT LOCATOR



**ABSTRACT :** **PURPOSE:** To obtain an efficient, accurate and highly reliable fault point locator by detecting a trouble in a power transmission wire with a differential current detecting section provided for each steel tower to be transmitted to the center as light identification code determined for each steel tower.

**CONSTITUTION:** When an arc trouble or the like occurs in a power transmission wire, a differential current is detected with a current transformer 51 provided for each steel tower 12 or the like and a light signal is generated with a light modulator 61. This signal is converted to a light identifying code determined for each steel tower with an encoder 71 and sent out to the center through earth wires 21, 22... containing optical fibers. Such an arrangement using this code to eliminate a repeater or the like provides an efficient and accurate fault point locator with a high reliability.

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